

IN THE CLAIMS:

Please cancel claims 1-19 without prejudice.

In accordance with the Revised Rules under 37 C.F.R. 1.121, shown below are claims that may be original, cancelled, withdrawn, previously presented, new, and not entered.

20. (new) A method for reprogramming bidirectional objects, said objects containing a common key, at least two objects being paired to allow the sending of a command from one object of the pair to the other object of the pair and the execution of the command by the other object, the method comprising:

providing the objects with a new common key; then
when a command is sent from one object to another object with which it is paired, verifying that the two objects contain the new common key; and
refusing by the other object to execute the command if the two objects do not contain the new common key.

21. (new) The method of claim 20, wherein the step of verifying for two given objects is implemented only when the first command is given following providing of the new common key.

22. (new) The method of claim 20, wherein the step of providing of the new common key comprises:

the generation of a new common key; and
the transmission of the new common key generated.

23. (new) The method of claim 22, wherein the step of generation is carried out using a single object.

24. (new) The method of claim 22, wherein the step of generation is carried out using two objects.

25. (new) The method of claim 22, wherein the step of transmission comprises a point-to-multipoint transmission.

26. (new) The method of claim 22, wherein the step of transmission comprises a point-to-point transmission.

27. (new) The method of claim 26, wherein the point-to-point transmission comprises an action by the user on each point.

28. (new) The method of claim 22, wherein the step of transmission comprises:
a point-to-point transmission in a sub-group of the objects; and
a point-to-multipoint transmission to another sub-group of the objects.

29. (new) The method of claim 22, wherein the transmission step comprises, when the new common key of an object is transmitted to another object, verification that the two objects contain the old common key.

30. (new) An operating program for a bidirectional object adapted to store at least one common key and at least one piece of information on pairing, comprising:

- a) a routine of receiving a new common key;
- b) a routine of receiving a command;
- c) a routine of verifying for a command received from a paired transmitter object, the presence of the common key in the transmitter object; and
- d) a routine of refusing to execute the command if the verification is negative.

31. (new) The program of claim 30, wherein the routine of verifying for a given pairing is implemented only when the first command is received.

32. (new) The program of claim 30, further comprising a routine of generating a new common key.

33. (new) The program of claim 32, wherein the routine of generating comprises a sub-routine of transmitting a command to generate the common key to another object.
34. (new) The program of claim 30, further comprising a routine of transmitting a new common key to another object.
35. (new) The program of claim 30, further comprising a routine of transmitting a new common key to more than one object.
36. (new) An operating program for a bidirectional object adapted to store at least one common key and at least one piece of information on pairing, comprising:
- a) a routine of receiving of a new common key;
 - b) a routine of transmitting of a command to a targeted paired object; and
 - c) a routine of verifying the presence of the common key in the targeted object.
37. (new) The program of claim 36, wherein the routine of verifying for a given pairing is implemented only when the first command is transmitted.
38. (new) The program of claim 36, further comprising a routine of generating of a new common key.
39. (new) The program of claim 38, wherein the routine of generating comprises a sub-routine of transmitting of a command to generate the common key to another object.
40. (new) The program of claim 36, further comprising a routine of transmitting of a new common key to another object.
41. (new) The program of claim 36, further comprising a routine of transmitting of a new common key to several other objects.
42. (new) A bidirectional object, having

- a receiving stage;
- a transmitting stage;
- a logical unit controlling the receiving stage and the transmitting stage; and
- a memory containing an operating program for a bidirectional object adapted to store at least one common key and at least one piece of information on pairing, said program comprising:
 - a routine adapted to receive a new common key;
 - a routine adapted to receive a command;
 - a routine adapted to verify a command received from a paired transmitter object of the presence of the common key in the transmitter object; and
 - a routine adapted to refuse execution of the command if the verification is negative.

CLAIMS

1. A method for reprogramming bidirectional objects containing a common key, at least two objects being paired to allow the sending of a command from one object of the pair to the other object of the pair and the execution of the command by the other object; the method comprises the steps of:

- providing the objects with a new common key; then
- when a command is sent from one object to another object with which it is paired, verification that the two objects contain the new common key, and
- refusal by the other object to execute the command if the two objects do not contain the new common key.

2. The method of claim 1, characterized in that the step of verification for two given objects is implemented only when the first command is given following provision of the new common key.

3. The method of claim 1 or 2, characterized in that the step of provision of the new common key comprises:

- the generation of a new common key and
- the transmission of the new common key generated.

4. The method of claim 3, characterized in that the step of generation is carried out using a single object.

5. The method according to claim 3, characterized in that the step of generation is carried out using two objects.

6. The method of claim 3, 4, or 5, characterized in that the step of transmission comprises a point-to-multipoint transmission.

7. The method of one of claims 3 to 6, characterized in that the step of transmission comprises a point-to-point transmission.

8. The method of claim 7, characterized in that the point-to-point transmission comprises an action by the user on each point.

9. The method of claim 3, 4 or 5, characterized in that the step of transmission comprises:

- a point-to-point transmission in a sub-group of the objects;
- a point-to-multipoint transmission to another sub-group of the objects.

10. The method of one of claims 3 to 9, characterized in that the transmission step comprises, when the new common key of an object is transmitted to another object, verification that the two objects contain the old common key.

11. An operating program for a bidirectional object adapted to store at least one common key and at least one piece of information on pairing, comprising:

- (a) a routine of reception of a new common key;
- (b) a routine of reception of a command;
- (c) a routine of verification for a command received from a paired transmitter object of the presence of the common key in the transmitter object, and
- (d) a routine of refusal to execute the command if the verification is negative.

12. The program of claim 11, characterized in that the routine of verification for a given pairing is implemented only when the first command is received.

13. An operating program for a bidirectional object adapted to store at least one common key and at least one piece of information on pairing, comprising:

- (a) a routine of reception of a new common key;
- (b) a routine of transmission of a command to a targeted paired object;
- (c) a routine of verification of the presence of the common key in the targeted object.

14. The program of claim 13, characterized in that the routine of verification for a given pairing is implemented only when the first command is transmitted.

15. The program of one of claims 11 to 14, characterized in that it also comprises a routine of generation of a new common key.

16. The program of claim 15, characterized in that the routine of generation comprises a sub-routine of transmission of a command to generate the common key to another object.

17. The program of one of claims 11 to 16, characterized in that it also comprises a routine of transmission of a new common key to another object.

18. The program of one of claims 11 to 17, characterized in that it also comprises a routine of transmission of a new common key to several other objects.

19. A bidirectional object, having

- a stage of reception;
- a stage of transmission
- a logical unit controlling the stage of reception and the stage of transmission,
and
- a memory containing a program according to one of claims 11 to 18.